

A new species of *Anidrytus* from southern Brazil with notes on several other species. (Coleoptera: Endomychidae)

by

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With 4 figures

ABSTRACT

Anidrytus stenus sp. n. described from Brazil: Sta. Catarina, Nova Teutonia. Aedeagi of *A. latus*, *A. parallelus* and *A. nigricans* are also figured.

Examination of the aedeagi of the species assigned to the genera *Anidrytus* and *Epopteris* reveals a great diversity of form in these structures. Generic assignments by various authors seem to have been based on color pattern, the plainer forms referred to *Anidrytus*, the varicolored ones to *Epopteris*. Aedeagal structure, however, indicates the existence of species-groups which include forms assigned to both genera. At present there seems no clear distinction can be made between the two taxa; the mandibular structure cited by Gerstaecker is not valid because these organs also show diversity in fine structure.

The species treated here belong to Gerstaecker's Section B of *Anidrytus*: form subparallel, dorsum moderately convex or even somewhat flattened.

ACKNOWLEDGMENTS

Specimens of the new species were among material sent to me for study by Dr. Ivan Löbl of the Geneva Museum. For opportunity to examine the types of Gerstaecker my thanks go to Mr. A. Descarpentries of the Paris Museum, Dr. Manfred Uhlig, and in earlier years Dr. K. Delkeskamp, of the Berlin Museum.

Anidrytus parallelus Gerstaecker (Fig. 2)

1858. Entomographien 1: *Mon. Endom.* 266.

Holotype: male, Brasilien (Berlin Museum No. 21820).

The single type is a male, not female as cited by Gerstaecker. The front tibia is but feebly modified, slightly enlarged distad. In habitus *A. parallelus* is very similar to the next species described. Length 7 mm.

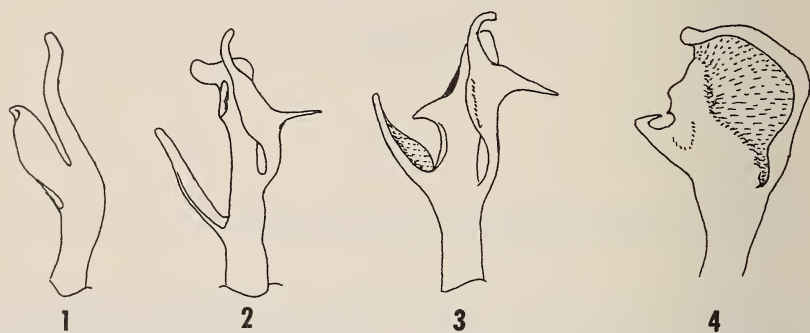
***Anidrytus stenus* n. sp. (Fig. 3)**

Holotype: male, Brésil: Sta. Catarina, Nova Teutonia, I-1977, F. Plaumann (Geneva Museum).

Allotype: female, same data as holotype (Geneva Museum).

Paratypes: 10 males, 5 females, I-77; 2 males, 11 females, V-77, Nova Teutonia, F. Plaumann (Geneva Museum; author).

Elongate, subparallel in outline, moderately convex. Dark brown above and below, legs paler, elytral epipleura yellow. First 5 antennomeres yellow, the others black. Dorsal pubescence fairly dense, tawny, oblique. Length 7-7.5 mm, max. width 3.8 mm.



FIGS. 1-4.

Aedeagi, dextro-ventral view.

Fig. 1: *Anidrytus latus* (Chevr.) — Gerstaecker "type". Fig. 2: *Anidrytus parallelus* Gerst. — holotype. Fig. 3: *Anidrytus stenus* sp. n. — holotype. Fig. 4: *Anidrytus nigricans* (Guérin) — Rio de Janeiro.

There is little external difference between this species and *A. parallelus*, the most notable being the slenderness of the antenna of which article 3 is 3X as long as wide, articles 4-5 almost as slender although wider in female. In *A. parallelus* antennomere 3 is about 2X as long as wide. In both species the front tibia of male is slightly enlarged toward tip.

***Anidrytus latus* (Chevrolat) (Fig. 1)**

Lycoperdina (Epipocus) lata Chevrolat, 1844. *Icon. Règne Animal* 7: 317, pl. 50, fig. 11.
Anidrytus latus: GERSTAECKER 1858. *Mon. Endom.*: 265.

My recognition of this species is based upon the Gerstaecker "type". A male from Rio de Janeiro in my collection closely resembles this specimen except in color; its pronotum and under surface are quite black but possibly discolored. The front tibia of the male is enlarged distad with a minute tooth at distal $\frac{1}{3}$ and its apex is slightly hollowed beneath. Hind tibia incurved distad. Length 6-7 mm.

Anidrytus nigricans (Guérin) (Fig. 4)

Epipocus nigricans Guérin, 1857. *Archs. Ent.* 1: 265.

Anidrytus nigricans, GERSTAECKER 1858. *Mon. Endom.*: 267.

Briefly described by Guérin from material in the Dejean collection. Gerstaecker described a female in the Thomson collection, using the specific name of the attached combination *Ep. nigricans* Dej. CSIKI (1910: 46) has attributed the specific name to Guérin and I shall follow that decision.

I have seen numerous specimens from Rio de Janeiro, Paraguay and northern Argentina. Although included by Gerstaecker in his section B of the genus, this species contrasts with those above in its broader form with tapering, somewhat cordiform elytra. Some specimens have the side margins of pronotum and the base and sides of elytra pale brown but these examples are callow. The mature coloration is entirely black although some Paraguayan specimens have the elytral shoulder and apex reddish yellow. Length 5.5-7 mm, max. width 3.5-4 mm.

Anidrytus hilaris Gerstaecker

1858. *Mon. Endom.*: 271.

Holotype: female, Süd-Brasilien (Berlin Museum No. 21822).

Subparallel in form, bright reddish brown with last 8 antennomeres black. Length 5 mm. Other than the holotype I have seen no specimens of this species.

Anidrytus atratulus Gerstaecker

1858. *Mon. Endom.*: 273.

Holotype: female, Süd-Brasilien (Berlin Museum No. 21824).

As the name indicates this is a small, deep black insect with elytral shoulders reddish and antennal stalk dark brown. Length 5 mm. Known to me only from the holotype.

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